

RESEARCH, DEVELOPMENT & TECHNOLOGY TRANSFER QUARTERLY PROGRESS REPORT

Wisconsin Department of Transportation
DT1241 11/2010

INSTRUCTIONS:

Research project investigators and/or project managers should complete a quarterly progress report (QPR) for each calendar quarter during which the projects are active.

WisDOT research program category: <input type="checkbox"/> Policy research <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Pooled fund TPF#	Report period year: 2010 <input type="checkbox"/> Quarter 1 (Jan 1 – Mar 31) <input type="checkbox"/> Quarter 2 (Apr 1 – Jun 30) <input type="checkbox"/> Quarter 3 (Jul 1 – Sep 30) <input checked="" type="checkbox"/> Quarter 4 (Oct 1 – Dec 31)
Project title: Aesthetic Coatings for Bridge Components			
Project investigator: Dr. Al Ghorbanpoor		Phone: 414-229-4962	E-mail:
Administrative contact: Peg Lafky		Phone:	E-mail:
WisDOT contact: Travis McDaniel		Phone:	E-mail:
WisDOT project ID: 0092-11-07	Other project ID:		Project start date: 10/21/2010
Original end date: 10/20/2012	Current end date: 10/20/2012		Number of extensions: 0

Project schedule status:

☒ On schedule ☐ On revised schedule ☐ Ahead of schedule ☐ Behind schedule

Project budget status:

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$120,000.00	\$3,000.00	\$3,000.00	3%	5%

NOTE: The form fields below will accept formats such as bold, underlining or bullets from pasted text. Text formats cannot be edited after they have been pasted into the form fields. Attach additional pages or files if necessary.

Project description:

The objectives of this study are to investigate methods and products that may be used in the aesthetic and protection coating of bridge components and to develop a guideline for cost-effective bridge coating practices. It is envisioned that a series of coating systems for both steel and concrete will be identified and tested in the laboratory to evaluate their performance under simulated environmental conditions that are similar to those experienced by bridge components in Wisconsin. Wisconsin bridge sites, where coating failures and problems have occurred, will be visited to identify and evaluate the structural details and other factors that have contributed to such coating failures. Upon completion of the testing and evaluation program, guidelines and specifications language will be developed for selection, application, and maintenance of such coating materials. Also, recommendations will be made to WisDOT for implementation of the results of this study.

Progress this quarter (includes meetings, work plan status, contract status, significant progress, etc.):

The research staff has initiated a review of the available literature concerning standards, guidelines, materials, preparation, application, structural details, coating testing procedures and standards, and long term performance of various coating materials for highway bridges and similar applications. Also, the research staff has prepared a survey questionnaire document that will be sent to responsible WisDOT staff from different regional offices, staff from other states, FHWA staff, consultants, contractors and manufacturers to document the current coating products, practices, and experiences. A meeting with the project oversight committee (POC) is being scheduled to review and approve the questionnaire before its

distribution among various users and producers.

Anticipated work next quarter:

The research staff will continue reviewing the available literature, summarizing the results of the review, and enhancing the survey/questionnaire document during the next quarter. The research team will meet with the POC to discuss the questionnaire and survey process as well as obtaining information related to various structural details and bridges with coating failures and problem contributing factors. The research team will assemble and summarize the results of the survey that will be used to prepare the interim report as required under the terms of this study.

Circumstances affecting project or budget:

None

Insert Gantt chart and other project documentation – attach additional pages or files if necessary

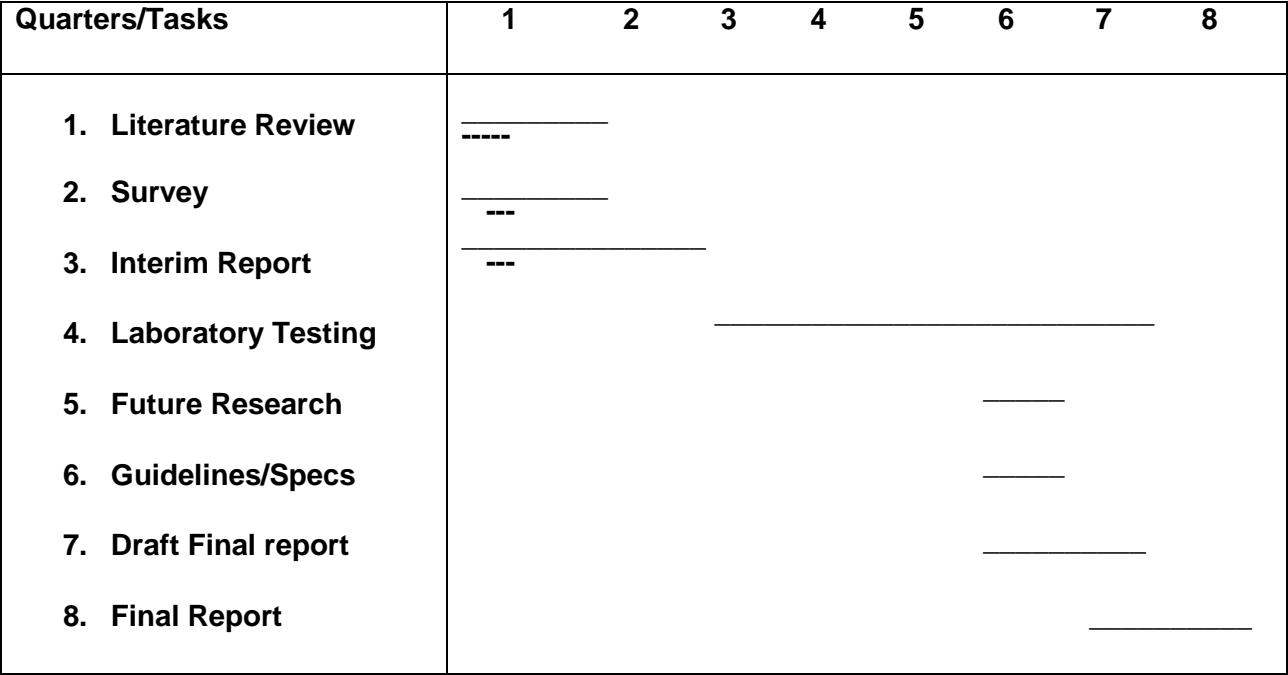
See attached.

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Staff receiving QPR:	Date received:
Staff approving QPR:	Date approved:

None.

Gantt Chart:



Gantt Chart: